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## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

10/526,765

Source:

PCT

Date Processed by STIC:

7-6-05

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PCT

## RAW SEQUENCE LISTING

DATE: 07/06/2005

PATENT APPLICATION: US/10/526,765

TIME: 15:08:35

Input Set : A:\122802.txt

Output Set: N:\CRF4\07062005\J526765.raw

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3 <110> APPLICANT: LETOURNEUR, Odile
5 <120> TITLE OF INVENTION: CHIMERIC RECOMBINANT PROTEIN AND IN VITRO DIAGNOSIS
7 <130> FILE REFERENCE: 122802
9 <140> CURRENT APPLICATION NUMBER: US 10/526,765
10 <141> CURRENT FILING DATE: 2005-03-07
12 <150> PRIOR APPLICATION NUMBER: PCT/FR03/02712
13 <151> PRIOR FILING DATE: 2003-09-15
15 <150> PRIOR APPLICATION NUMBER: FR 02/11485
16 <151> PRIOR FILING DATE: 2002-09-17
18 <160> NUMBER OF SEQ ID NOS: 61
20 <170> SOFTWARE: PatentIn version 3.3
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 423
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: DNA encoding a recombinant protein b-HIV72
30 <400> SEQUENCE: 1
31 atgaggggat ccagaatcct agctgtggaa agatacctaa aggatcaaca gtccttaggg      60
33 atttgggggtt gctctggaaa actcatattgc accactgctg tgagctccgg ttcaggcget      120
35 atagagaagt acctacagga ccaggcgagg ctaaattcat ggggatgtgc gtttagacaa      180
37 gtctgctcga gcggttcttg aggaggagat atgagggaca attggagaag tgaattatat      240
39 aaatataaag tagtaaaaaat tgaaccatta ggagtagcac ccaccaagtc tgcaggccgt      300
41 ctgcttgctc tggaaaccct gcttcagaac caacagctgc tttctctgtg gggttgcaaa      360
43 ggtaagctgg tttgctacac ctctgttaaa gttccacc atcaccatca ccattgatct      420
45 aga                                         423
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 138
50 <212> TYPE: PRT
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: chimeric recombinant protein b-HIV72
56 <400> SEQUENCE: 2
58 Met Arg Gly Ser Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln
59 1          5          10          15
62 Gln Leu Leu Gly Ile Trp Gly Cys Ser Gly Lys Leu Ile Cys Thr Thr
63          20          25          30
66 Ala Val Ser Ser Gly Ser Gly Ala Ile Glu Lys Tyr Leu Gln Asp Gln
67          35          40          45
70 Ala Arg Leu Asn Ser Trp Gly Cys Ala Phe Arg Gln Val Cys Ser Ser
71          50          55          60
74 Gly Ser Gly Gly Gly Asp Met Arg Asp Asn Trp Arg Ser Glu Leu Tyr
75 65          70          75          80

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78 Lys Tyr Lys Val Val Lys Ile Glu Pro Leu Gly Val Ala Pro Thr Lys
79           85           90           95
82 Ser Ala Gly Arg Leu Leu Ala Leu Glu Thr Leu Leu Gln Asn Gln Gln
83           100           105           110
86 Leu Leu Ser Leu Trp Gly Cys Lys Gly Lys Leu Val Cys Tyr Thr Ser
87           115           120           125
90 Val Lys Ala Ser His His His His His His
91           130           135
94 <210> SEQ ID NO: 3
95 <211> LENGTH: 90
96 <212> TYPE: DNA
97 <213> ORGANISM: Human immunodeficiency virus type 1
99 <400> SEQUENCE: 3
100 agaatcctag ctgtggaaag atacctaaag gatcaacagc tcctagggat ttgggggttg 60
102 tctggaaaac tcatttgcac cactgctgtg 90
105 <210> SEQ ID NO: 4
106 <211> LENGTH: 30
107 <212> TYPE: PRT
108 <213> ORGANISM: Human immunodeficiency virus type 1
110 <400> SEQUENCE: 4
112 Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln Gln Leu Leu Gly
113 1           5           10           15
116 Ile Trp Gly Cys Ser Gly Lys Leu Ile Cys Thr Thr Ala Val
117           20           25           30
120 <210> SEQ ID NO: 5
121 <211> LENGTH: 90
122 <212> TYPE: DNA
123 <213> ORGANISM: Human immunodeficiency virus type 1
125 <400> SEQUENCE: 5
126 cgtctgcttg ctctggaaac cctgcttcag aaccaacagc tgctttctct gtgggggttg 60
128 aaaggtaagc tggtttgcta cacctctgtt 90
131 <210> SEQ ID NO: 6
132 <211> LENGTH: 30
133 <212> TYPE: PRT
134 <213> ORGANISM: Human immunodeficiency virus type 1
136 <400> SEQUENCE: 6
138 Arg Leu Leu Ala Leu Glu Thr Leu Leu Gln Asn Gln Gln Leu Leu Ser
139 1           5           10           15
142 Leu Trp Gly Cys Lys Gly Lys Leu Val Cys Tyr Thr Ser Val
143           20           25           30
146 <210> SEQ ID NO: 7
147 <211> LENGTH: 69
148 <212> TYPE: DNA
149 <213> ORGANISM: Human immunodeficiency virus type 2
151 <400> SEQUENCE: 7
152 gctatagaga agtacctaca ggaccaggcg cggctaaatt catgggggatg tgcgtttaga 60
154 caagtctgc 69
157 <210> SEQ ID NO: 8
158 <211> LENGTH: 23

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159 <212> TYPE: PRT
160 <213> ORGANISM: Human immunodeficiency virus type 2
162 <400> SEQUENCE: 8
164 Ala Ile Glu Lys Tyr Leu Gln Asp Gln Ala Arg Leu Asn Ser Trp Gly
165 1      5      10      15
168 Cys Ala Phe Arg Gln Val Cys
169      20
172 <210> SEQ ID NO: 9
173 <211> LENGTH: 90
174 <212> TYPE: DNA
175 <213> ORGANISM: Human immunodeficiency virus type 1
177 <400> SEQUENCE: 9
178 ggaggaggag atatgaggga caattggaga agtgaattat ataaatataa agtagtaaaa      60
180 attgaaccat taggagtagc acccaccaag                                     90
183 <210> SEQ ID NO: 10
184 <211> LENGTH: 30
185 <212> TYPE: PRT
186 <213> ORGANISM: Human immunodeficiency virus type 1
188 <400> SEQUENCE: 10
190 Gly Gly Gly Asp Met Arg Asp Asn Trp Arg Ser Glu Leu Tyr Lys Tyr
191 1      5      10      15
194 Lys Val Val Lys Ile Glu Pro Leu Gly Val Ala Pro Thr Lys
195      20      25      30
198 <210> SEQ ID NO: 11
199 <211> LENGTH: 16
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: DNA sequence corresponding to SEQ ID NO: 12
206 <400> SEQUENCE: 11
207 gagctccggt tcaggc                                             16
210 <210> SEQ ID NO: 12
211 <211> LENGTH: 5
212 <212> TYPE: PRT
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: linking region
218 <400> SEQUENCE: 12
220 Ser Ser Gly Ser Gly
221 1      5
224 <210> SEQ ID NO: 13
225 <211> LENGTH: 13
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: DNA sequence corresponding to SEQ ID NO: 14
232 <400> SEQUENCE: 13
233 ctcgagcggt tct                                             13
236 <210> SEQ ID NO: 14

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237 <211> LENGTH: 4
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: linking region
244 <400> SEQUENCE: 14
246 Ser Ser Gly Ser
247 1
250 <210> SEQ ID NO: 15
251 <211> LENGTH: 9
252 <212> TYPE: DNA
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: DNA sequence corresponding to SEQ ID NO: 16
258 <400> SEQUENCE: 15
259 tctgcaggc 9
262 <210> SEQ ID NO: 16
263 <211> LENGTH: 3
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: linking region
270 <400> SEQUENCE: 16
272 Ser Ala Gly
273 1
276 <210> SEQ ID NO: 17
277 <211> LENGTH: 9
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: DNA sequence corresponding to SEQ ID NO: 18
284 <400> SEQUENCE: 17
285 aaagcttcc 9
288 <210> SEQ ID NO: 18
289 <211> LENGTH: 3
290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: linking region
296 <400> SEQUENCE: 18
298 Lys Ala Ser
299 1
302 <210> SEQ ID NO: 19
303 <211> LENGTH: 12
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: DNA sequence corresponding to a linking region
310 <400> SEQUENCE: 19

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311 atgaggggat cc 12
314 <210> SEQ ID NO: 20
315 <211> LENGTH: 17
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: DNA sequence corresponding to a linking region
322 <400> SEQUENCE: 20
323 artcaatgag gggatcc 17
326 <210> SEQ ID NO: 21
327 <211> LENGTH: 18
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: DNA sequence encoding SEQ ID NO. 22
334 <400> SEQUENCE: 21
335 caccatcacc atcaccat 18
338 <210> SEQ ID NO: 22
339 <211> LENGTH: 6
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: attaching region
346 <400> SEQUENCE: 22
348 His His His His His His
349 1 5
352 <210> SEQ ID NO: 23
353 <211> LENGTH: 45
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: DNA sequence corresponding to SEQ ID NO: 24
360 <400> SEQUENCE: 23
361 ctgcaccata tcctggaagc ccagaaaatg gaatggcacc cgcac 45
364 <210> SEQ ID NO: 24
365 <211> LENGTH: 15
366 <212> TYPE: PRT
367 <213> ORGANISM: Artificial Sequence
369 <220> FEATURE:
370 <223> OTHER INFORMATION: biotinylated recombinant protein
372 <400> SEQUENCE: 24
374 Leu His His Ile Leu Glu Ala Gln Lys Met Glu Trp His Pro His
375 1 5 10 15
378 <210> SEQ ID NO: 25
379 <211> LENGTH: 18
380 <212> TYPE: DNA
381 <213> ORGANISM: Artificial Sequence
383 <220> FEATURE:
384 <223> OTHER INFORMATION: DNA sequence corresponding to SEQ ID NO: 26

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VERIFICATION SUMMARY

DATE: 07/06/2005

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Input Set : A:\122802.txt

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